Homework #2

Advay Vyas

Contents

Introduction

I'm Advay Vyas, EID: av37899, and this is my submission for SDS 315 Statistical Thinking Homework #2. The GitHub repository for my code is at this link.
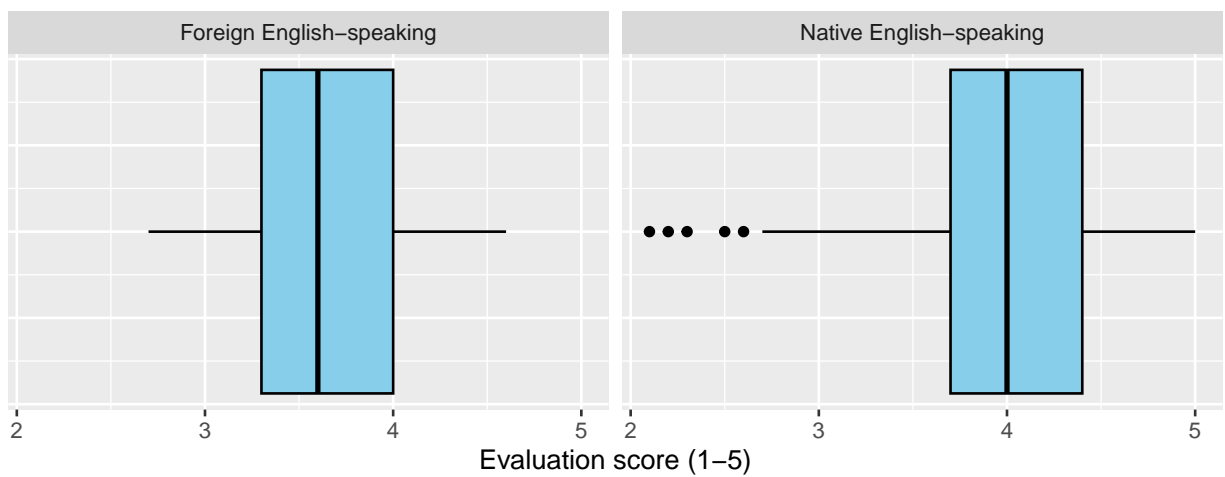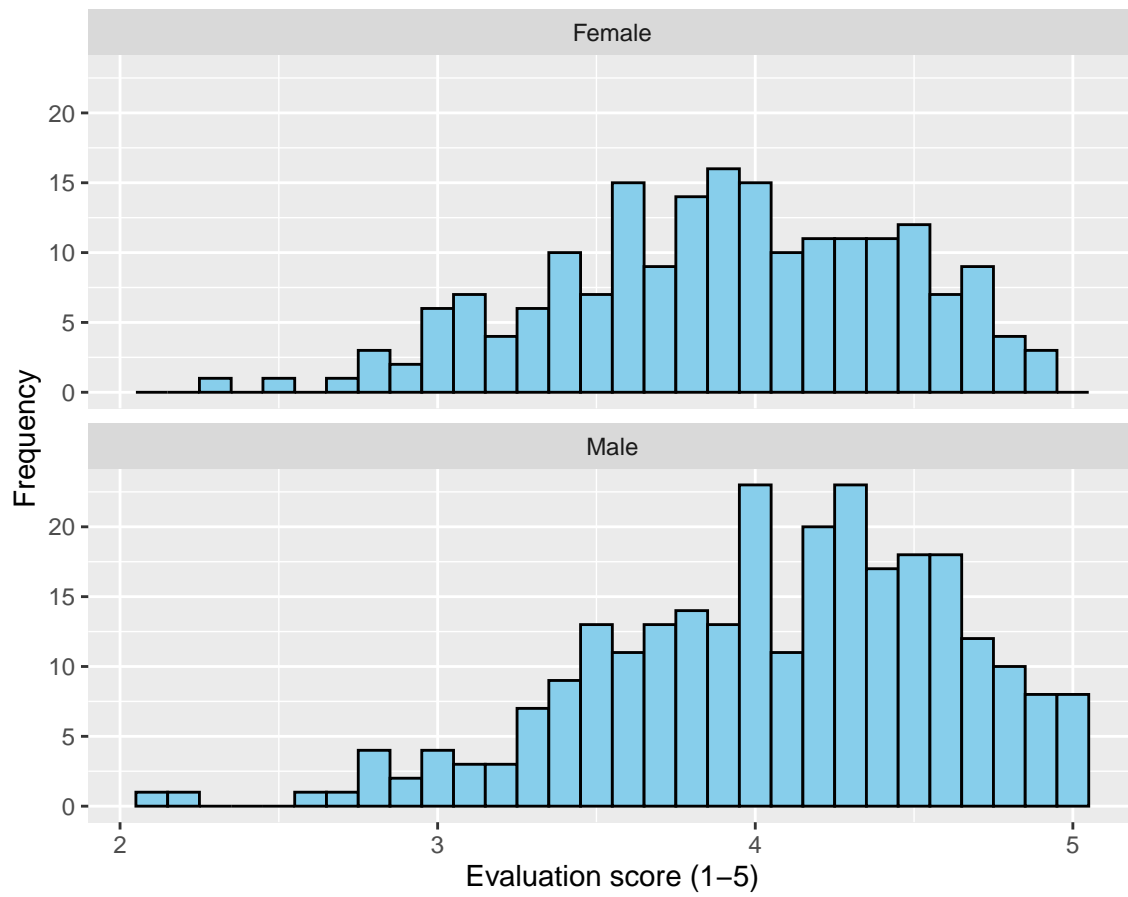
Problem 1

Part A

Distribution of Course Evaluation Score
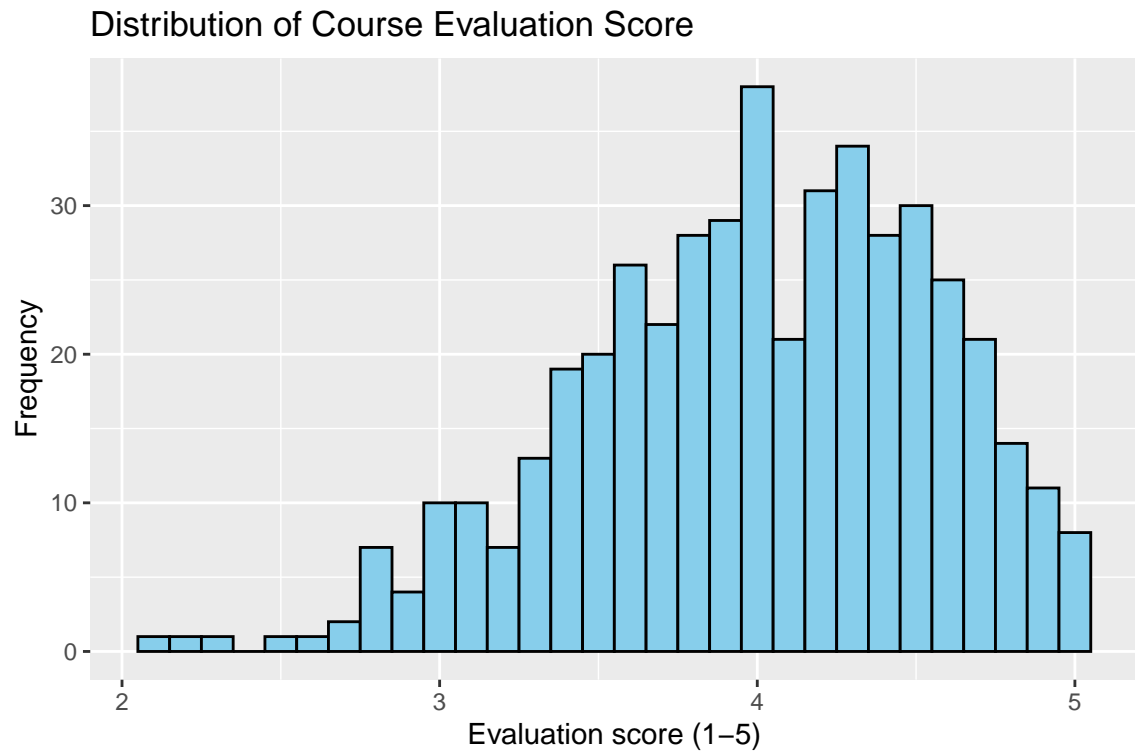
Part B

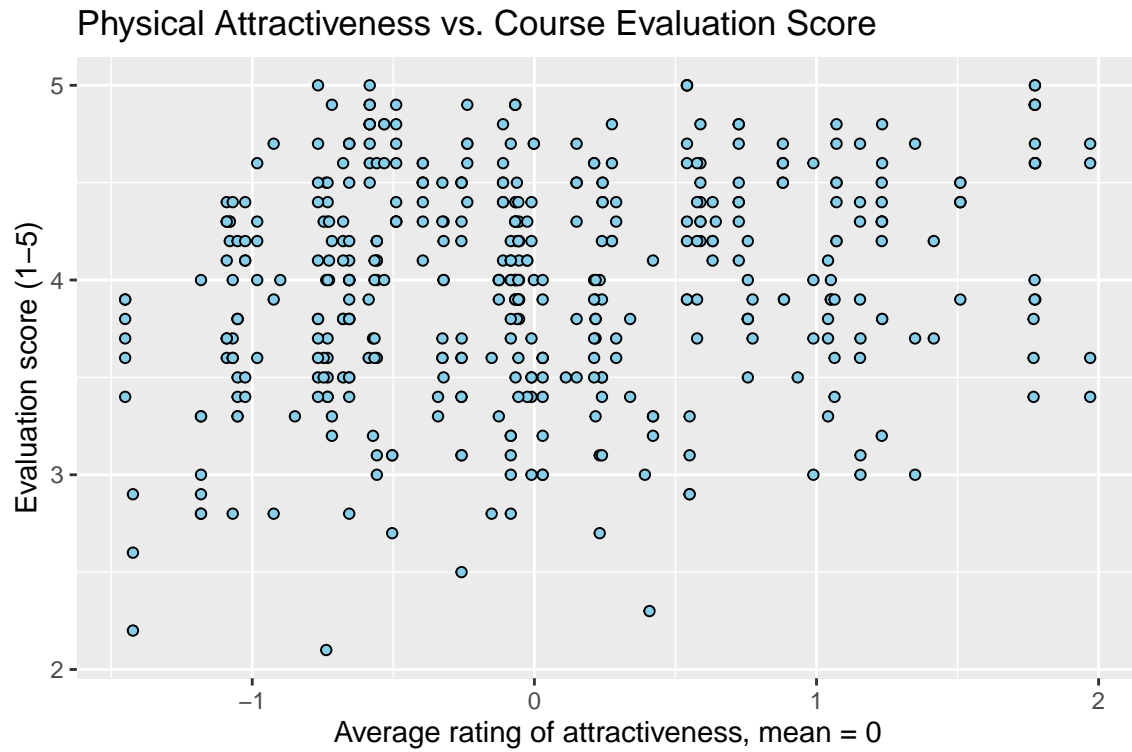### Distribution of Course Evaluation Score by Native English–speaking Professor

Part C
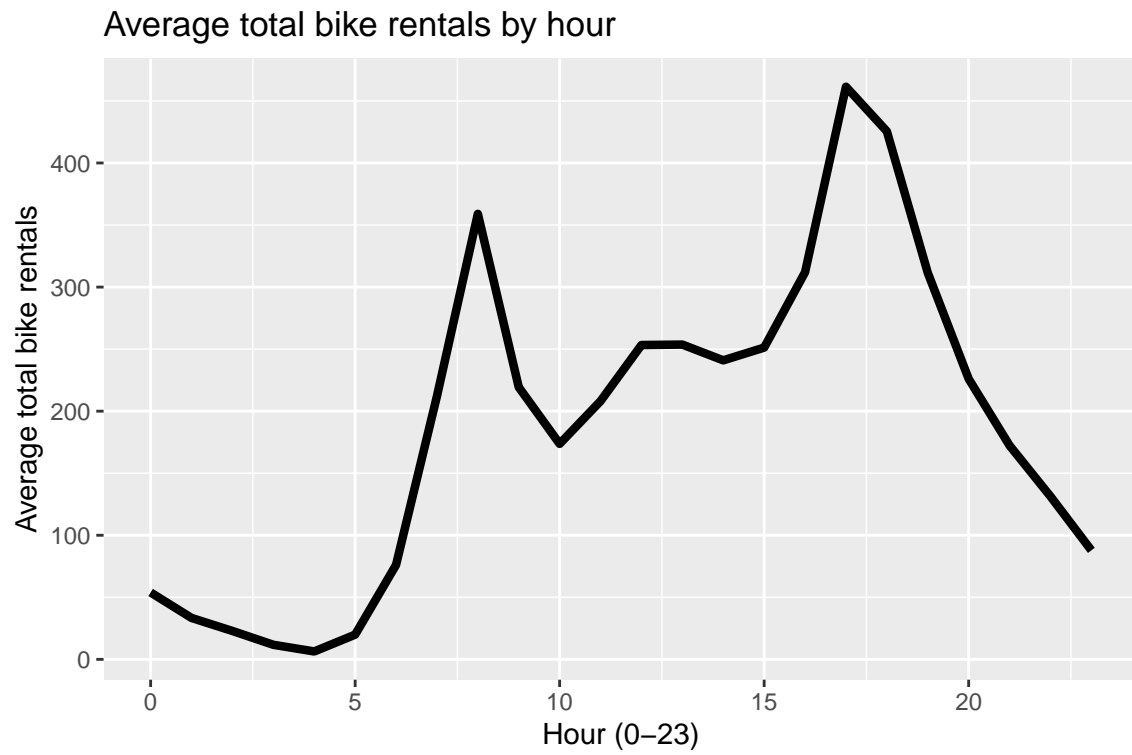
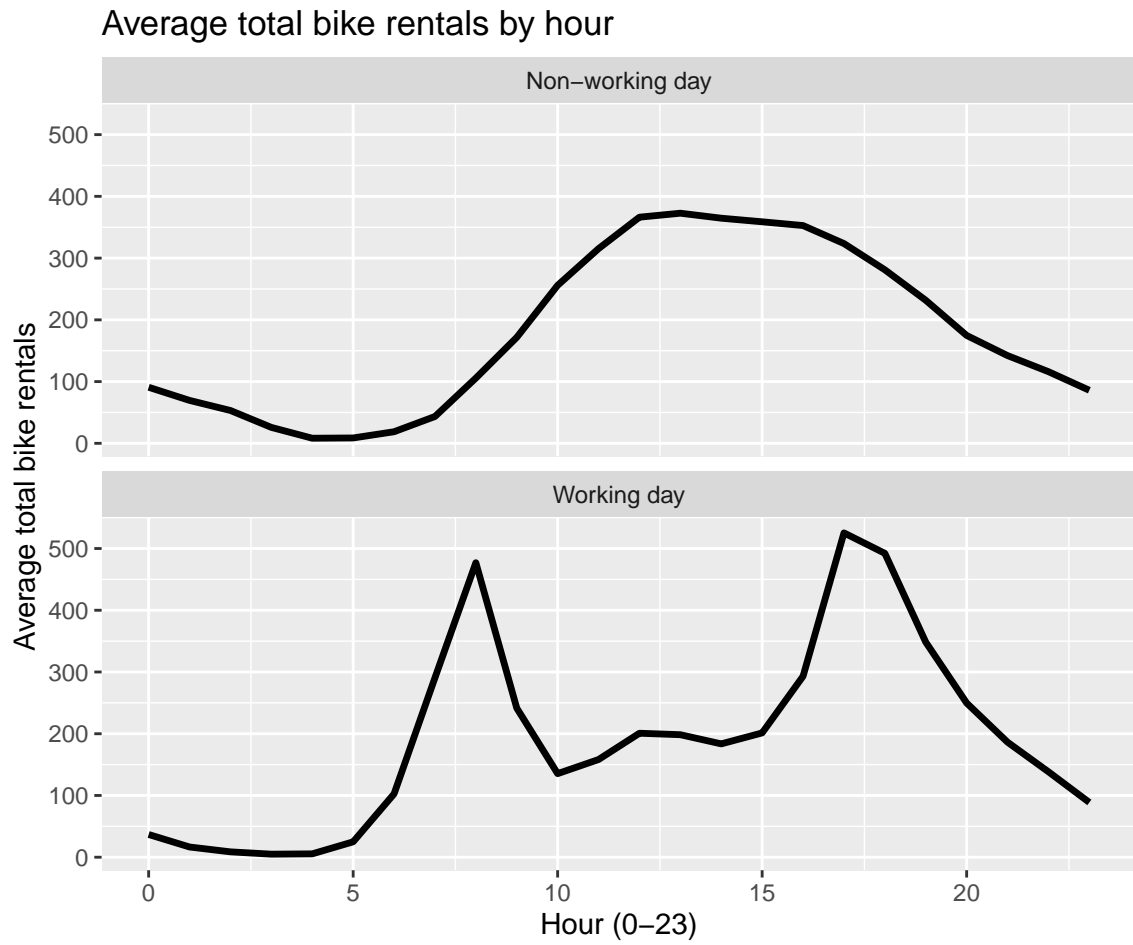## Distribution of Course Evaluation Score by Gender

Part D

Physical Attractiveness vs. Course Evaluation Score

Problem 2

Plot A

Average total bike rentals by hour

Plot B

Average total bike rentals by hour

Plot C

Average total bike rentals at 9am by weather

| Non−working day | Working day |

(Bar chart — y-axis: "Average total bike rentals" ranging 0 to 250; x-axis: "Weather situation by intensity (1−4)" with categories 1, 2, 3 for each panel)

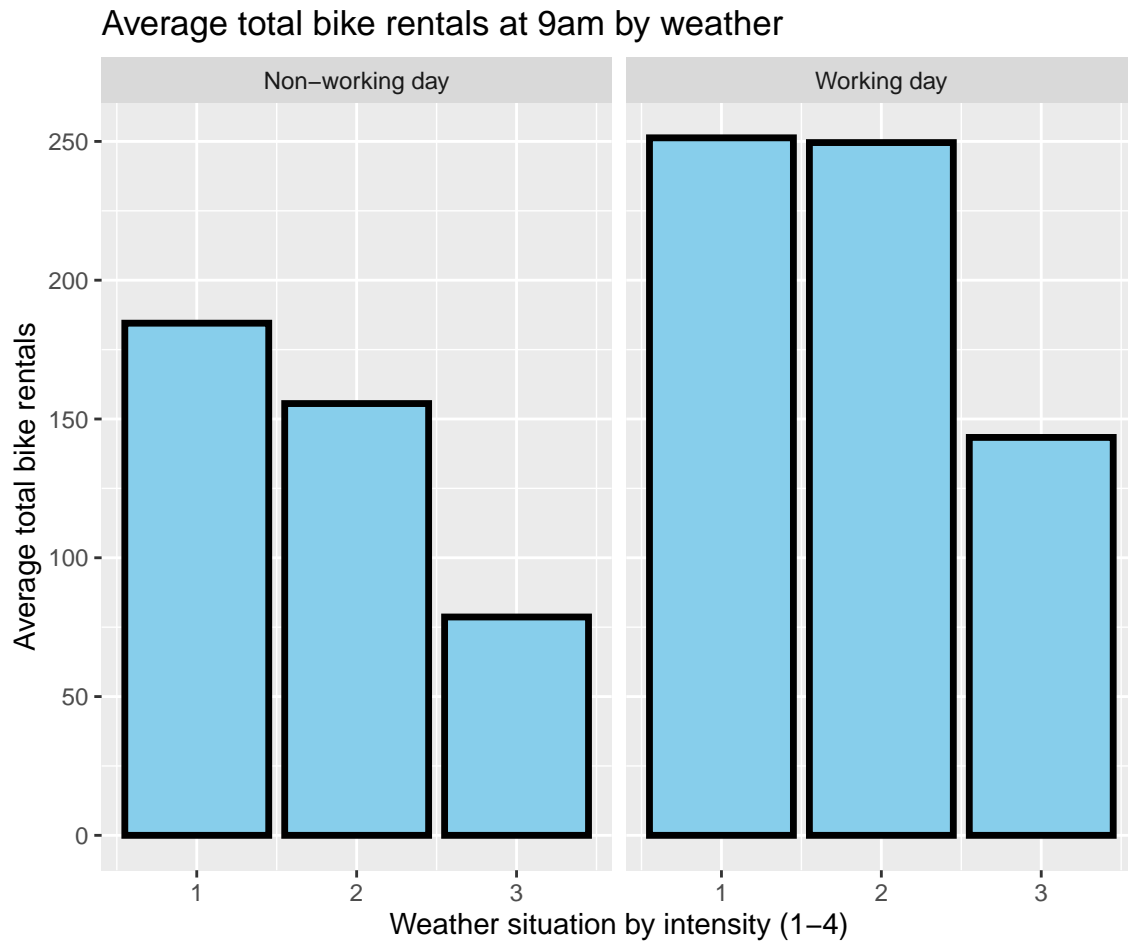# Problem 3

Plot 1

Plot 2

Problem 4

Part A

Part B

Part C